

SOUTH DAKOTA WASTE MINIMIZATION AND POLLUTION PREVENTION NETWORK

EPA REGION VIII

Hazardous Waste Minimization Program 13, 15
Pollution Prevention Program 1, 6, 15
Innovations Program 12, 15

SOUTH DAKOTA DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES (DENR)

Division of Environmental Services
Waste Management Program 1, 3, 7, 10, 15
Air Quality Program 7, 10, 14
Minerals and Mining Program 7, 10
Ground Water Quality Program 3, 5, 10
Surface Water Quality Program 2, 11, 14
Pollution Prevention Program 1, 9, 11, 15
Recycling Program 6, 8
Small Business Assistance Program 1, 4, 14, 15

KEY

1. Business P2 Assistance
2. Certifications
3. Database
4. Guide
5. Handbook
6. Information Clearinghouse
7. Inspections
8. Loans
9. Partnerships
10. Permitting
11. Presentations
12. Recognition Program
13. Sector Initiatives
14. Training
15. Web Page

Note: For A, see
Communication Between
Organizations Section of this
document.

A

SOUTH DAKOTA WASTE MINIMIZATION AND POLLUTION PREVENTION NETWORK

CONTACT LIST

CONTACT	ORGANIZATION	TELEPHONE	PAGE
EPA REGION VIII			
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John Larson	Pollution Prevention Program	(303) 312-6030	2
Mary Byrne	Innovations Program	(303) 312-6491	2
SOUTH DAKOTA DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES			
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Vonni Kallemeyn	DES - Waste Management Program	(605) 773-3153	3
Brian Gustafson	DES - Air Quality Program	(605) 773-3151	3
Bob Townsend	DES - Minerals and Mining Program	(605) 773-4201	4
Bill Markley	DES - Ground Water Quality Program	(605) 773-3296	4
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Dennis Clarke	Pollution Prevention Program	(605) 773-4254	5
	Recycling Program	(605) 773-3153	6
	Small Business Assistance Program	(605) 773-3351	6

U.S. ENVIRONMENTAL PROTECTION AGENCY (EPA) REGION VIII

HAZARDOUS WASTE MINIMIZATION PROGRAM

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The EPA Region VIII Hazardous Waste Minimization Program (HWMP) provides advice and assistance to authorized state governments on matters related to development, execution, and monitoring of hazardous waste minimization policies, plans, and programs.

Sector Initiatives: HWMP places special emphasis on and supports national, regional, and state efforts to reduce the most persistent, bioaccumulative, and toxic (PBT) chemicals. The program helps establish goals for reduction of PBT chemicals and develops resources and tools for state hazardous waste programs. The HWMP focuses on measuring the effectiveness and impact of state hazardous waste minimization efforts on PBT chemical reductions. State activities and policies are identified, documented, and linked to reduction goals. The HWMP also disseminates technical and program information to the states, analyzes chemical and waste generation data, participates in EPA Headquarters activities and monthly program calls, facilitates outreach, and works to integrate waste minimization into other EPA programs and divisions.

Web Page: The region developed a program web page at the following address:
www.epa.gov/region8/land_waste/rcra/wastemin/wastemin.html.

POLLUTION PREVENTION PROGRAM

Contact: John Larson (303) 312-6030 larson.john@epa.gov

The EPA Region VIII Pollution Prevention (P2) Program works in partnership with federal agencies and the private sector to make P2 the environmental strategy of choice. The team's expertise is in the areas of solid waste reduction and recycling, environmental management systems, energy efficiency, environmentally preferable products, and P2 for the automotive and agricultural sectors.

Business P2 Assistance: The EPA Region VIII P2 Program helps businesses and federal facilities identify opportunities to minimize or eliminate generation of hazardous waste. In addition, it helps organizations identify products that are less harmful to workers and the environment.

Information Clearinghouse: The Peaks to Prairies P2 Information Center is funded by EPA Headquarters, managed by EPA Region VIII, and facilitated by Montana State University (MSU) Extension Service at MSU-Bozeman. The Center serves local and state assistance personnel by providing access to information on and contacts for P2, encouraging collaboration, and assisting with Regional initiatives. The Center is creating a web-linked library service that will enable small businesses and assistance personnel to find high-quality, up-to-date information on P2. The Center's web site is located at www.peakstoprairies.org. The point of contact in Region VIII is Laura Estes at laurae@montana.edu.

Web Page: EPA sponsors a web page called *EnviroSense* at <http://es.epa.gov>. This web page provides access to industry-specific P2 techniques. It includes a database of substitutes for solvents. EPA maintains a web site that describes an array of Environmentally Preferable Products at www.epa.gov/oppt/epp.

INNOVATIONS PROGRAM

Contact: Mary Byrne (303) 312-6491 byrne.mary@epa.gov

The Region VIII Innovations Program works collaboratively with companies, industrial sectors, states, federal agencies, and environmental organizations to strategically address complex environmental issues. Innovative projects include: demonstrating "beyond compliance" environmental performance, taking extra steps to reduce and prevent pollution, minimizing waste, involving members of the community, and implementing a cost-effective environmental management system.

Recognition Program: EPA launched the National Environmental Performance Track (NEPT) program in June 2000 and welcomed over 225 facilities as charter members in December 2000. NEPT is a two-tier program designed to recognize and reward top environmental leaders for their environmental performance. The first tier, the Achievement Track, recognizes environmental leaders, which includes allowing these leaders to use the program logo; the opportunity to meet with senior EPA managers and other environmental leaders; and recommend regulatory and administrative flexibilities. The second tier, Stewardship Track, is being developed for implementation in the summer 2001. Applications for the program are accepted from February 1 through April 30, 2001, and August 1 through October 31, 2001.

Web Page: The NEPT web site for information and applications is www.epa.gov/performance-track/ or call 1-888-339-PTRK.

SOUTH DAKOTA DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES (DENR)

DIVISION OF ENVIRONMENTAL SERVICES

Contact: Tim Tollefsrud (605) 773-3153 tim.tollefsrud@state.sd.us

The mission of the Division of Environmental Services (DES) is to provide environmental resources to businesses, the community, industrial sectors, and environmental organizations that promote economic development; conserve natural resources; help municipalities; industry; and citizens comply with regulations; and protect public health and the environment. The Waste Management, Air Quality, Minerals and Mining, Ground Water Quality, and Surface Water Quality programs are managed under the Division of Environmental Services.

WASTE MANAGEMENT PROGRAM

Contact: Vonni Kallemeyn, Administrator (605) 773-3153 vonni.kallemeyn@state.sd.us

South Dakota's Waste Management Program is responsible for enforcing South Dakota's hazardous, solid waste and asbestos regulations. South Dakota's hazardous waste regulations address the storage, treatment, transport, and disposal of hazardous waste and apply to hazardous waste generators, transporters, and used oil operators. The Waste Management Program also provides P2 technical assistance to businesses, communities, and industrial facilities, carries out facility and business compliance inspections, investigates complaints filed with the Waste Management Program, and assigns identification numbers to hazardous waste generators.

Business P2 Assistance: The Waste Management Program provides P2 technical assistance to businesses and other state and local programs. The Waste Management Program refers businesses identified during hazardous waste inspections to the P2 program. The business must indicate interest to be referred to the program.

Database: The Waste Management Program requires permitted hazardous waste treatment, storage, and disposal facilities and large-quantity generators of hazardous waste to submit a hazardous waste report by March 1 of each even-numbered year. All reports are maintained in a database and are used to track a facility's waste stream.

Inspections: The Waste Management Program inspects businesses to ensure compliance with environmental regulations. Waste minimization is discussed in detail during every hazardous waste inspection where opportunities for it, as well as pollution prevention, can be identified and is written up as part of the inspection report.

Permitting: The Waste Management Program reviews applications and issues permits for hazardous waste treatment, storage, and disposal facilities. A hazardous waste facility's initial permit is valid for two years and renewal permits are valid for five years.

Web Page: The Waste Management Program sponsors a web page at <http://www.state.sd.us/denr/des/wastemgn/wasteprg.htm>. The web site contains information regarding news releases, publications, general information about the Waste Management Program, and links to related sites.

AIR QUALITY PROGRAM

Contact: Brian Gustafson (605) 773-3151 brian.gustafson@state.sd.us

The mission of the Air Quality Program is to maintain reasonable levels of air quality in South Dakota to protect human health, safety, and welfare using the National Ambient Air Quality

Standards established through the federal Clean Air Act. The department achieves this mission by staffing ambient air monitoring and permitting sections to regularly monitor air pollutants from businesses and industrial facilities.

Inspections: The Air Quality Program staffs an inspection and compliance group that assures facilities use proper control equipment and remain in compliance with air quality emissions standards and permit conditions.

Permitting: The Air Quality Program issues permits for construction, modification, and operation to sources of air pollution.

Training: The Air Quality Program hosts a smoke school training twice a year. The smoke school training teaches businesses how to visually assess emissions to evaluate whether the facility is in compliance with emissions standards and to assess whether its control equipment is working properly.

MINERALS AND MINING PROGRAM

Contact: Bob Townsend (605) 773-4201 bob.townsend@state.sd.us

The Minerals and Mining Program is responsible for ensuring that the impacts to the environment from mineral exploration, mining, and oil and gas production in South Dakota are minimized and that affected lands are reclaimed and useable after mining.

Inspections: Before a mining operation can be established, the Minerals and Mining Program inspects the facility. The program also conducts numerous inspections during operations and a final inspection when mining ceases. The Minerals and Mining Program along with the P2 and Waste Management Programs work to devise a compliance or P2 plan for the mining operation if an inspector identifies a compliance issue during an inspection. Compliance plans may involve delineating the extent of contamination, identifying the best cleanup option available, and helping the mining operation begin cleanup.

Permitting: The Minerals and Mining Program issues permits for any mining operation that extracts or processes gold, uranium, precious metals, coal, bentonite, dimension stone, decorative stone, and other materials of economic value, except for sand and gravel. The mine permit contains conditions and requirements related to waste characterization, management, monitoring, and closure.

GROUND WATER QUALITY PROGRAM

Contact: Bill Markley (605) 773-3296 bill.markley@state.sd.us

The mission of the Ground Water Quality Program is to manage South Dakota's ground water resources. This mission includes directing cleanup of all spills and Superfund projects, regulating above-ground and underground storage tanks, overseeing the Superfund Amendments and Reauthorization Act Title III program, issuing permits for groundwater discharge, implementing the Underground Injection Control program, and helping to protect the ground water resources through the source water assessment and protection program.

Database: The Ground Water Quality Program maintains databases for reported spills and releases, Tier II reports, registered above-ground and underground storage tanks, and contractors for tank removal, environmental site assessments, and spill cleanups.

Handbook: The Ground Water Quality Program developed a Petroleum Assessment and Cleanup Handbook for site assessors to be used during site assessments and remediation of sites contaminated by petroleum. The handbook is intended to help site assessors make

informed decisions regarding release reporting requirements, emergency response actions, corrective actions, and disposal requirements.

Permitting: The Ground Water Quality Program issues permits for construction and operation of public water supplies, sewerage systems, treatment systems, disposal systems, and for discharges to surface waters (effluent, industrial, and commercial storm water discharges).

SURFACE WATER QUALITY PROGRAM

Contact: Jeanne Goodman (605) 773-3351 jeanne.goodman@state.sd.us

The mission of the Surface Water Quality Program is to enforce environmental regulations for wastewater dischargers, establish standards for surface water quality, and evaluate surface water to assess whether the public's health and the state's natural resources are protected.

Certification: The Surface Water Quality Program sponsors an Operator Certification Program that teaches techniques to operators of wastewater treatment plants for protecting public health, environmental quality, and water quality. The Department provides certification programs for water treatment, water distribution, wastewater treatment, wastewater collection, stabilization ponds, and small water treatment systems.

Presentations: The Surface Water Quality Program gives annual presentations at the Water and Waste Water Operators meetings to provide updates on new and proposed federal rules, permitting requirements, and other recent news that pertains to operators of water supply and wastewater treatment plants.

Training: The South Dakota Department of Environment and Natural Resources, with a grant from EPA, developed a program to provide on-site assistance in water quality to wastewater treatment plant operators. This program targets facilities that are having difficulty meeting the requirements of the surface water discharge permit or new operators that need on-site technical assistance. The training teaches operators how to sample and report discharges to surface water.

POLLUTION PREVENTION PROGRAM

Contact: Dennis Clarke (605) 773-4254 dennis.clarke@state.sd.us

The South Dakota P2 Program specializes in providing source reduction information and technical assistance to the agricultural sector and rural communities. Multimedia P2 assistance is provided to DENR's internal and external customers through partnerships with DENR's media program staff, the academic community, and local, state, and federal resource management agencies.

Business P2 Assistance: The P2 Program and its internal and external partners provide on-site assessments, research, and technical support to small and medium-sized businesses and manufacturers, rural communities, and agricultural operations. Recent P2 projects include:

- Development and field testing of a model program that small communities can use to economically remove PBT and other hazardous substances from homes and small businesses.
- Development of model P2 stormwater management plans for small cities.
- Development of a low-cost method to reduce the arsenic levels in drinking water.
- Development and promotion of site-specific farming practices that reduce pollution and improve profitability.
- Field audits to evaluate the effectiveness of silviculture best management practices applied to reduce pollution from timber harvest operations.

- Production of a P2 self-assessment manual for small manufacturers and completion of on-site industrial assessments to help plant owners identify source reduction opportunities.
- Providing P2 literature to businesses and agriculture and rural communities.

Partnerships: The South Dakota P2 Program works with internal and external partners to provide P2 assistance. Internal partners include DENR's media programs and the South Dakota Department of Agriculture. External P2 partners include the South Dakota State University Cooperative Extension Service, South Dakota State University, South Dakota School of Mines and Technology, resource conservation and development districts, conservation districts, the USDA Natural Resource Conservation Service, municipalities, and trade associations.

Presentations: The P2 Program itself and through cooperative ventures with its internal and external partners makes presentations and sets up exhibits at trade shows and conferences as one of its strategies to provide industry, agriculture, and rural communities with P2 technical assistance and information.

Web Page: The P2 Program sponsors a web page at <http://www.state.sd.us/denr/DFTA/WatershedProtection/P2/P2.htm>.

RECYCLING PROGRAM

Contact: (605) 773-3153

The Recycling Program is responsible for providing technical assistance to businesses that want to develop plans for recycling solid waste. The DENR Recycling Program has not set up a waste exchange network; however it compiled a complete list of all South Dakota recyclers by industry and sector that offer solid and hazardous waste exchange programs.

Information Clearinghouse: The Recycling Program compiled a recycling guide that contains a list of businesses, transfer stations, and landfills that offer recycling services in South Dakota. The list includes information for recycling lumber, concrete and asphalt, batteries, fluorescent bulbs, mercury, used oil, oil filters, scrap tires, and antifreeze.

Loans: The Recycling Program provides loans and grants for businesses to set up solid waste disposal and recycling projects.

SMALL BUSINESS ASSISTANCE PROGRAM

Contact: (605) 773-3351

The Small Business Assistance Program (SBAP) helps small businesses comply with the requirements of the 1990 Clean Air Act Amendments. Businesses that are assisted include agricultural chemical applicators, asphalt manufacturers and applicators, auto body shops, and dry cleaners.

Business P2 Assistance: SBAP provides P2 technical assistance by helping businesses with specific technical, administrative, and compliance problems, disseminating information about the Clean Air Act, and referring businesses to DENR environmental auditors who can help them evaluate operating practices, monitoring procedures, and record keeping.

Guide: SBAP developed an Environmental Permitting and Regulation Guide that outlines the regulatory requirements and procedures for air permitting. The guide summarizes state and federal environmental regulations for specific industries, helps businesses identify the regulations that apply to their operations, indicates where to apply for permit applications, and provides information on how air permitting, certification, and notification processes

work. The guide can be viewed at

http://www.state.sd.us/denr/ENVIRO/sd_enviro_guide.pdf.

Training: SBAP established a website to broadcast training courses sponsored by EPA over the Air Pollution Distance Learning Network (APDLN) at

<http://www.epa.gov/oar/oagps/eog/apdln.html>. APDLN is a digital "state-of-the-art" educational satellite broadcasting network of more than 100 governmental and university broadcast affiliates located across the United States. APDLN is the result of a collaborative partnership that involves EPA, state, and local air pollution control agencies, and North Carolina State University. The courses, which are focused on air pollution control and environmental programs and policies, are available to environmental professionals free of charge. SBAP also supports a training library that houses video tapes of past trainings that can be checked out.

Web Page: The SBAP hosts a web page that contains a brief description about the SBAP and it provides a link to the National Small Business Environmental homepage, which is located at

<http://www.smallbiz-enviroweb.org/>.

COMMUNICATION BETWEEN ORGANIZATIONS

A. Communication between EPA Region VIII and DENR

EPA Region VIII works with the South Dakota DENR in the following capacities:

- Provides advice and assistance on matters related to the development, execution, and monitoring of hazardous waste minimization and P2 policies, plans, and programs.
- Help define oversight roles and promote effective multimedia strategies for enforcement of environmental programs.
- Assist in compliance assistance and incentive activities to ensure that environmental justice is fully integrated into all environmental programs.